Wiss. Mitarbeiter/-in

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Vita

Vita:

- 2016-2021: Dipl. Ing. Mechanical Engineering with the direction Simulation Methods
- 10.2019-02.2020: Internship at TU Eindhoven in the research group Power and Flow
- since 2021: Research assistant at the Chair of Mechanical Process Engineering. Research topic: Large Eddy Simulation Model Development for Turbulent Dispersed Gas-Solid Flows

Previous Research Topics:

- A statistical-learning method for predicting hydrodynamical drag, lift and pitching torque on spheroidal particles, Power and Flow, TU Eindhoven
- Numerical modeling of bubble breakup with bubble shapes represented by spherical harmonic functions, Institute of Fluid Mechanics, TU Dresden
- Grid adaption in a turbine cascade using a r-adaptive Moving Mesh Partial Differential Equation, Institute of Fluid Mechanics, TU Dresden

At the Chair of Mechanical Process Engineering Max works on particle turbulence interaction in Large Eddy Simulations. Especially the turbulence modulation by particles and the modified particle statistics due to the unresolved turbulent scales are challenges that are addressed in Max's work.